

james b. becker

CONSULTING ENGINEERS

April 28, 1983

Mr. Richard A. Volonino,  
Central Landfill Manager  
SCA Services, Inc.  
1838 North Broadway Street  
St. Louis, MO 63102

US EPA RECORDS CENTER REGION 5



412263

Re: St. Clair County, Illinois  
East St. Louis/SCA-Milam Landfill  
April 28, 1983 Site Inspection

Dear Mr. Volonino:

On Thursday p.m., April 28, 1983, I made an inspection of the referenced site and evaluated the operation and conditions of the site. The findings of this inspection and investigation are listed as follows:

"SUMMARY & RECOMMENDATIONS"

1. Upon arrival at the location this p.m. I found the roadway from the public road to the ticket office in acceptable condition except for some debris, tires and pallets in the vicinity of the entrance gate. As I approached the weigh station, there also appeared to be some debris along the north side of the entranceway, but along the roadway there was evidence of picking of trash by laborers since the bags were spotted along both sides of the roadway.

2. Equipment Operating

There was one REX Trashmaster-370, one TEREX Dozer and a Highlift working at the time of this inspection.

3. Location of Operation

At this time the dumping and filling operation is located in the extreme southwest area of Section II-B in an area that was previously filled with trash and just east of the access roadway going to the fill operation. This area is being worked at this time because of the excessive amount of rain which we have had in the past few weeks, as well as the rain we have had today makes it relatively easy for the trucks to go to the face of the fill, unload their trash and depart from the landfill.

KM  
PMM 5/24

RECEIVED

MAY 28 1983

ILL. E.P.A. - D.I.P.C.  
STATE OF ILLINOIS

9901 GRAVOIS AVENUE

ST. LOUIS, MISSOURI 63123

(314) 631-9770

4. Description of Operation

The trash is being pushed up against the existing fill material and it appears that we are obtaining a rather good amount of compaction at this time. One problem that I can see with the operation at this location is that as soon as the rain stops and we get some dry weather, the small working area that we have at this location could become a problem when the amount of trash increases at times when we would have good sunny, dry weather. I am sure that you are aware of this and will relocate the operation back to the top of the fill to the east and south when the accessibility to that area becomes more feasible.

5. Traffic Movement - Face of Landfill

At the present time the dumping face is approximately fifty to sixty feet wide, and the amount of trash that is being delivered at this time to the fill is being handled quite adequately.

6. Housekeeping and General Landfill Appearance

Due to the extreme amount of rain we have had recently I would say that the appearance of the landfill due to these conditions is relatively good, but as soon as we get some dry weather, additional cover material will be necessary in various locations to bring the appearance and cover condition to an acceptable condition.

7. Ponding of Water in Landfill Area

At this time there are puddles of water due to the excessive rain, and one should identify these locations at this time so that you can fill in the low areas when the landfill dries out and not add to your potential leachate problem with ponding water in the future.

8. Cover Material on Landfill Site

At the present time I estimate that there is somewhere in the neighborhood of 1,500 to 2,000 cubic yards of cover material stored on the site. I will say again, I think that we need additional cover material in order that we can have a supply to meet emergencies in the future.

9. Leachate Breakouts

Due to the present weather conditions and the rain we have had in the past 48 hours, it is impossible to make an adequate inspection of these leachate breakouts at this time

except to say that some small ones are noticable from a windshield inspection, but I will make a more detailed inspection in the very near future.

#### 10. General Appearance of Landfill

Again, I wish to relate to the weather conditions, and as I said earlier in this report, it appears that the landfill is in an acceptable condition due to the weather conditions, but immediate attention should be given to all fill areas and cover areas at such time when we have a period of 4 or 5 days of dry, sunny weather so that adequate cover and control of any leachate breakouts can be worked at that time.

#### 11. Roadway Conditions

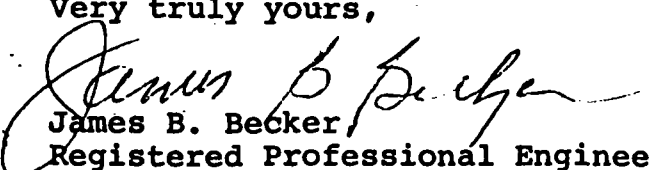
The roadway from the pay station to the active dumping area is approximately 500 feet to 800 feet in length, and I can say that the roadway is adequate for the present operation. I would like to stress at this time that when you again return to your dumping area on the top of the fill, a goodly amount of work will be necessary to resurface and reconstruct your roadway from your present dumping area to the upper layer of the landfill at such time as you move up there.

#### 12. Roadway Drainage

At the present time the roadway drainage appears to be adequate but with all the rain we have had in the past two weeks, I am sure that there have been times when it appears you have had to bring in surfacing materials to maintain this short reach of roadway due to the inclement weather.

In closing, I would strongly recommend that you be aware of and ready to go to work on the overall landfill area upon us receiving some normal, sunny, dry spring and summer weather. Even though we have had a relatively fair winter, this past 30 days of spring has been very wet, and the moisture has done some damage throughout the landfill and it will be necessary to recompact, fill and cover many of the areas that have been disturbed. The housekeeping appears to be well done with the use of a lot of hand labor, but I am sure that as soon as we get some dry, windy days we will need to do some additional policing of the area for blowing paper and debris.

Very truly yours,

  
James B. Becker  
Registered Professional Engineer,  
State of Illinois  
License No. 62-20369

JBB:ad

cc: Charles Embe  
Kenneth Mensing✓